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QUEEN'S UNIVERSITY

FACULTY OF MEDICINE

Annual Calendar

FIFTY-SEVENTH SESSION, 1910-1911

KINGSTON:
Printed at The Jackson Press
1910.

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ACADEMIC YEAR.

1910.

Sept. 1—Notice of intention to appear at Medical Supplementary and Matriculation Examinations to be given in writing to Dr. Williamson, Secretary of the Faculty. he TSubjects upon which the candidate intends to write must be stated in his notice, and the fee enclosed.

Sept. 15—Supplementary Matriculation and Medical Examinations begin.

Sept. 28—Classes begin.

Oct. 16—University Day. Holiday for athletic games.

Dec. 19—Christmas Examinations.

Dec. 22—Christmas Holidays begin.

1911.

Jan. 4—Classes re-open.

Mar. 1—Holiday (Ash Wednesday).

Mar. 1—Time expires for receiving essays for University prizes.

Apr. 4—Class work closes.

Apr. 6—Examinations begin.

Apr. 26—Convocation for distributing prizes, announcing honors, and laureating graduates.

FACULTY OF MEDICINE.

D. M. GORDON, M.A., D.D., Principal.

J. C. CONNELL, M.A., M.D., Dean.

A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond., Secretary.

Surgery.

Hon. MICHAEL SULLIVAN, M.D., Emeritus Professor.

D. E. MUNDELL, B.A., M.D., Professor of the Principles and Practice of Surgery.

W. G. ANGLIN, M.D., M.R.C.S., Eng., Professor of Clinical Surgery.

EDWARD RYAN, B.A., M.D., Associate Professor of Clinical Surgery.

G. W. MYLKS, M.D., Assistant Professor of Surgery.

C. A. MORRISON, M.D., Clinical Lecturer.

Medicine.

JAMES THIRD, M.D., Toronto; M.D., C.M., Trinity; Professor of Medicine and Clinical Medicine.

J. W. CAMPBELL. B.A., M.D., C.M., Associate Professor of Medicine and Professor of Therapeutics.

EDWARD RYAN, B.A., M.D., Associate Professor of Clinical Medicine.

A. E. ROSS, B.A., M.D., Professor of Materia Medica, Pharmacology and Pharmacy.

W. C. BARBER, M.D., Tor., M.D., C.M., Vic., Clinical Assistant.

E. H. YOUNG, M.B., Tor., Clinical Assistant.

WM. GIBSON, M.D., Clinical Assistant.

Obstetrics and Gynaecology.

R. W. GARRETT, M.A., M.D., Professor.

ISAAC WOOD, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin., Associate Professor

Pediatrics.

ISAAC WOOD, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin., Professor.

Ophthalmology, Otology, Laryngology, Rhinology.

J. C. CONNELL, M.A., M.D., Professor.

Medical Jurisprudence and Toxicology.

A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor.

JOHN McINTYRE, M.A., K.C., Lecturer.

Sanitary Science.

W. T. CONNELL, M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor

Pathology and Bacteriology.

W. T. CONNELL, M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor

A. R. B. WILLIAMSON, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond., Demonstrator.

WILLIAM GIBSON, M.D., Demonstrator.

Mental Diseases.

W. C. BARBER, M.D., Tor., M.D., C.M., Vic., Asst. Supt. Rockwood Hospital for Insane, Professor.

Anatomy.

EDWARD RYAN, B.A., M.D., Professor of Applied Anatomy.

G. W. MYLKS, M.D., Associate Professor of Applied Anatomy.

F. ETHERINGTON, M.D., L.R.C.P. and S., Edin., Professor of Anatomy.

A. W. RICHARDSON, B.A., M.D.
C. A. MORRISON, M.D.
S. J. KEYES, M.D.
J. F. SPARKS, B.A., M.D.
} Demonstrators.

Biology, Physiology and Histology.

A. P. KNIGHT, M.A., M.D., Professor.

F. ETHERINGTON, M.D., L.R.C.P. and S., Edin., Lecturer in Animal Morphology.

I. G. BOGART, M.D., Demonstrator.

Chemistry and Applied Chemistry.

W. L. GOODWIN, D. Sc., Edin., Professor.

W. O. WALKER, M.A., Associate Professor.

R. J. MANNING, M.A., Lecturer.

W. D. BONNER, M.A., Lecturer.

Physics.

A. L. CLARK, M.A., Ph.D., Professor.

W. C. BAKER, Associate Professor.

Librarian.

PROF. WILLIAMSON.

TIME-TABLE FOR FIRST YEAR.

Classes.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Anatomy		9—10		9—10			Medical Building.
Biology	9—10		9—10		9—10		Laboratories Building.
Physiology		10–11		10—11			Laboratories Building
Physics			10—11	11—12			Till Xmas in Physics Building
Practical Physiology and Histology	10—11				10—11		4 days a week after Xmas. Laboratories Building.
Junior Chemistry	11—12	11—12				9—12	Chemistry Building
Materia Medica	1—2		1—2		1—2		Medical Building.
Practical Anatomy	2—5	2—5	2—5	2—5	2—5	9—12	Medical Building.

TIME-TABLE FOR SECOND YEAR.

Classes.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Demonstrations in Histology & Embryology.		8—9	8—9				Laboratories Building.
Anatomy	9—10		9—10		11—12		Medical Building.
Physiology	10—11	9—10	10—11	9—10	10—11		Laboratories Building.
Histology and Experimental Physiology.		11—12	11—12				Laboratories Building.
Organic Chemistry		10—11					Chemistry Building
Physiological Chemistry	11—1 (A)					9—1 (B & C)	" "
Qualitative Analysis							" "
Chemical Toxicology			1—3 (C)	10—12 (A)	8—10 (B)		" "
Urinalysis							" "
Pharmacology						8—9	Laboratories Building.
Practical Pharmacy					1—2		Medical Building.
Materia Medica		1—2		1—2			Medical Building.
Practical Anatomy	2—5	2—5	2—5	2—5	2 -5	9—12	Medical Building.

TIME-TABLE FOR THIRD YEAR.

Classes.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Applied Anatomy		8—9			8—9		Medical Building.
Bacteriology		10—11					Laboratories Building.
Practical Bacteriology					2—4	9—10	Laboratories Building.
Pathology	9—10	9—10					Laboratories Building
Practical Pathology					9—11		Laboratories Building
Clinical Microscopy			9—10				Laboratories Building.
Clinical Medicine	10—11			10—11			General Hospital.
Clinical Medicine			10—11		11—12		Hotel Dieu
Clinical Surgery	11—12	11—12		11—12			General Hospital.
Clinical Surgery			11—12				Hotel Dieu.
Pediatrics	1—2						Medical Building.
Obstetrics			1—2		1—2		Medical Building.
Medical Jurisprudence		1—2		1—2			Medical Building.
Practice of Medicine	2—3		2—3				Medical Building.
Therapeutics		2—3		2—3			General Hospital.
Surgery		3—4		3—4			Medical Building.

TIME-TABLE FOR FOURTH YEAR.

Classes.	Mon.	Tues.	Wed.	Thurs	Fri.	Sat.	
Surgery	9—10		3—4		9—10		Medical Building.
Pathology			1—2	9—10			Laboratories Building.
Practical Pathology						10—11.30	Laboratories Building
Eye, Ear, Nose and Throat		9—10	9—10				General Hospital.
Clinical Medicine	10—11		10—11		10—11		General Hospital.
Clinical Medicine				11—12			Hotel Dieu.
Clinical Surgery	11—12		11—12	10—11	11—12		General Hospital
Clinical Surgery		11—12					Hotel Dieu.
Sanitary Science		2—3					Laboratories Building.
Practice of Medicine	2—3	10—11	2—3				Medical Building.
Therapeutics					2—3		
Applied Anatomy	3—4				3—4		Medical Building.
Mental Diseases				2—3			Rockwood Hospital.
Clinical Medicine.				3—4			Rockwood Hospital.
Obstetrics and Gynaecology.	4—5		4—5		4—5		Medical Building.
ClinicalGynaecology							Clinics arranged for section of the class.

MEDICAL EXAMINATION TIME-TABLE.

1911.

Written Examinations.

	9 A.M.	2 P.M.
Thursday, April 6—	3rd yr. Obstet. & Pediatrics	4th yr. Obstet. & Gynaecology.
Friday, 7—	1st yr. Chemistry	2nd yr. Chemistry.
Saturday, 8—	3rd yr. Pathology	4th yr. Pathology.
Monday, 10—	1st yr. Materia Medica	2nd yr. Materia Medica.
Tuesday, 11—	3rd yr. Practice of Medicine	4th yr. Practice of Medicine.
Wednesday, 12—	1st yr. Animal Biol. & Phys.	3nd yr. Physiology.
Thursday, 13—	Bacteriology	Sanitary Science.
Friday, 14—	Good Friday.	
Saturday, 15—	1st yr. Anatomy	2nd yr. Anatomy.
Monday, 17—	3rd yr. Applied Anatomy	4th yr. Applied Anatomy.
Tuesday, 18—	1st yr. Physics & 3rd yr. Surg'y	Histology.
Wednesday, 19—	Jurisprudence	4th yr. Surgery.
Thursday, 20—	Eye, Ear, Nose and Throat	Therapeutics.

Clinical, oral and practical examinations to be arranged by the Professors concerned.

SUPPLEMENTAL EXAMINATIONS.

September, 1910.

Written Examinations.

	9 A.M.	2 P.M.
Thursday, Sept. 15—	3rd yr. Obstet. & Pediatrics	4th yr. Obstet. & Gynaecology.
	1st yr. Chemistry	2nd yr. Chemistry.
Friday, 16—	3rd yr. Pathology	4th yr. Pathology.
	1st yr. Materia Medica	2nd yr. Materia Medica.
Saturday, 17—	3rd yr. Practice of Medicine	4th yr. Practice of Medicine.
	1st yr. Animal Biol. & Phys.	2nd yr. Physiology.
Monday, 19—	Bacteriology	Sanitary Science.
	1st yr. Anatomy	2nd yr. Anatomy.
Tuesday, 20—	3rd yr. Applied Anatomy	4th yr. Applied Anatomy.
	Eye, Ear, Nose & Throat	Histology.
Wednesday, 21—	1st yr. Physics	Jurisprudence.
	3rd yr. Surgery	4th yr. Surgery.
	Therapeutics.	

Clinical, oral and practical examinations to be arranged by the Professors concerned.

General Statement.

In 1854 the first classes in Medicine were held in Queen's University at Kingston, and in 1855 the first class graduated. The Medical Faculty was originally a Faculty of the University, but a separation took place in 1866, and for some years the Medical School was conducted under the Charter of the Royal College of Physicians and Surgeons at Kingston. In 1892 the Faculty again became an integral part of the University system. This has increased the efficiency and usefulness of the School, which has contributed its share to scientific medical education and has produced some original scientific work.

Kingston has been known throughout Canada as a University centre for more than sixty years. As a place of residence it is not surpassed by any University city in the Dominion. Good board and lodging in respectable private houses can be had at prices ranging from $4.00 per week upwards. Lists of boarding and lodging houses can be had from the Secretary of the Faculty.

The College occupies commodious premises in the group of University buildings and is close to the General Hospital. The Medical Building, erected in 1858, has been enlarged and improved. The upper floor is devoted to the study of Anatomy, and has two large dissecting rooms, a lecture room and rooms for private demonstrations. The anatomical museum is growing rapidly.

Instruction in Chemistry is given in the new Chemistry Building, and in Physics in the new Physics Building.

The new Medical Laboratories Building was erected at an expenditure of $50,000, and has been equipped throughout. The classes in Physiology, Biology and Histology, Pathology, Bacteriology and Pharmacology are conducted herein. This makes a most valuable addition to the resources of the school and gives students all the most modern advantages in laboratory work. In these laboratories examinations of specimens for the Public Health Department are constantly carried on and also experimental work for the Dairy interests of Eastern Ontario. Rooms for research work have also been prepared in this building.

The Kingston General Hospital is adjacent to the University buildings. It contains 200 beds, and in addition to the wards for Medical and Surgical cases there are various special departments to which students have access. The Nickle wing accommodates infectious diseases. The Doran building is reserved for obstetric and gynæcology cases and contains an operating room

specially arranged for this work. In the main building, the Fenwick operating room, built in amphitheatre style on modern plans, will seat 100 students, and affords every facility for observing surgical operations. There is also a private operating room in the main building. Close to the main building is a morgue with a room suitable for post-mortem examinations. In the General Hospital about 2,500 patients are treated annually.

The Hotel Dieu Hospital was founded in 1840. The commodious structures now occupied were rebuilt in 1892. One hundred and sixty patients can be accommodated. The operating room is thoroughly equipped with modern facilities. During the year 1909 patients to the number of about 1,500 were admitted.

Rockwood Hospital for the Insane is also open to students. It contains about 600 patients. The lectures in Mental Diseases are given in the Hospital, as well as many clinics, operations and post-mortems.

The Professor of Bacteriology is also a special Health Officer of the Provincial Board of Health, so that examinations of large numbers of pathological products are constantly being made in the laboratories.

The period of study required for the degree of Doctor of Medicine has been increased to five years.

The degree of Bachelor of Medicine will be available at the end of four years.

Three optional courses will be permitted for the fifth year of study.

These regulations apply to students entering on their course in September, 1908, and thereafter.

Graduates in Arts who have taken in their Arts course the subjects of Physics, Chemistry and Biology, including Physiology and Histology, may complete the Medical curriculum in four years. There are also special courses, in connection with the Arts and Science departments, in which the degrees of B.A. and M.B., or B.Sc. and M.B. may be obtained in six years.

Certificates of attendance are recognized by the University of Cambridge and the Royal Colleges of Physicians and Surgeons of London and Edinburgh, so that those possessing the degree of M.D. from Queen's University are entitled to all the privileges in Great Britain that are accorded to the students and graduates of other Colonial Colleges and Universities.

Men alone are admitted.

The Fifty-seventh Session opens September 15, 1910, and the last day of the Session is April 26th, 1911.

The University examinations in Medicine begin April 6th, 1911.

SPECIAL RATES FOR STUDENTS ATTENDING QUEEN'S UNIVERSITY.

Territory.—Between any station on the Canadian Pacific Railway, the Grand Trunk Railway and the Intercolonial Railway in Canada and Kingston, either direct or over any one of the other lines, where the one way regular first-class rate is $20 or more.

Condition:—If any student is coming to attend Queen's University *for the first time,* a certificate to that effect will be accepted from parent, guardian, clergyman or magistrate. Subsequently, going or returning from Kingston, certificates must be signed by the Registrar of the University.

Rate:—One way continuous passage tickets will be issued at half the regular, first-class one way rate, *minimum rate to be charged $20. For example, if the first-class, one way rate is $50, $25 will be charged, but if the one way rate is less than $40, $20 will be collected.*

All announcements and regulations contained in this Calendar apply to the current session only.

All applications with reference to the course must be made to Dr. Williamson, Secretary of the Faculty.

ADMISSION OF STUDENTS.

Candidates for a degree must pass the Junior Matriculation of the University unless (1) they possess a degree in Arts, not being an honorary degree, from any recognized University; or (2) have already matriculated in Arts in any recognized University; (3) have passed the Matriculation examination prescribed by the Medical Council of Ontario.

All candidates for Junior Matriculation shall take English Composition, English Literature, Algebra, Geometry, History (British, Canadian and Ancient), Latin, and any two of Greek, French, German, Experimental Science (Physics and Chemistry).

The percentage for Pass is forty on each paper.

In determining results the confidential reports of the Principals are hereafter to be considered.

The Matriculation examination must have been passed before a student will be credited with any of the professional examinations, although lectures may be attended by special permission till the beginning of the second year before completing it.

At the time of registration students must present to the Secretary their matriculation or other certificates of preliminary education, and where exemptions are claimed certificates giving an exact statement of the exemptions to which they are entitled.

No candidate will be allowed to compete for relative standing, prizes or scholarships, till he has completed the Matriculation examination.

The examination in July will be that conducted for the Universities by the Education Department, known as the Departmental Junior Matriculation Examination. The examination will be held at Queen's University and at the various Collegiate Institutes and High Schools in Ontario. Candidates for this examination, if they propose to write at a Collegiate or High School, must notify the Public School Inspector of their city or county, and pay him the fee before May 22nd, and at the same time send notice to the University Registrar on a form which will be supplied on application. Candidates proposing to write at Queen's University must send the required notice to the Registrar by May 22nd, accompanied by the fee.

A second examination will begin at Queen's University on September 15th, 1910. Notice of intention to appear at this examination, together with the fee, must be sent to the Registrar by September 1st, on a form which will be supplied on application. A candidate failing partially in July and desiring to complete the examination in September, and who did not write at Queen's University, must send a copy of the marks obtained in the July examination, certified by the headmaster of the school at which he wrote.

The fees for Matriculation are:—Junior Matriculation, $5.00; Supplemental examination, in Junior Matriculation subjects in which the candidate has failed, $2.00 for each subject; total fee not to exceed $5.00.

Equivalent examinations in the different provinces are:—Ontario, Junior Leaving; Prince Edward Island, Second Class; Nova Scotia, Grade XI; New Brunswick, Second Class; Quebec, Academy Grade III, University School AA; Manitoba, Second Class; Alberta, Grade VII; Saskatchewan, Grade VII; British Columbia, Intermediate.

SUBJECTS OF MATRICULATION.

Latin.

Translation at sight of passages of average difficulty from Cæsar, upon which special stress will be laid.

Translation with questions from a prescribed portion of Virgil's Aeneid.

Questions on Latin accidence.

Translation into Latin of English sentences, involving a knowledge of the following principles of Latin syntax; the common use of the cases; the accusative with the infinitive; the subjunctive in simple sentences; final and result clauses; the law of sequence of tenses; the indirect question; verbs of fearing, doubting and hindering: the use of the participle, gerund and gerundive, active and passive periphrastic; indirect discourse; and the common

forms of the conditional sentence. The vocabulary will be taken from the prescribed portion of Caesar, and special stress will be laid upon this part of the examination. The marks assigned for the translation from prescribed authors shall not be more than 25 per cent. of the total marks assigned to the Latin papers.

Examination upon a short prescribed portion of Cæsar, to test the candidate's knowledge of Latin syntax and his power of idiomatic translation.

The following are the texts prescribed:—

1910-1911: Cæsar, Bellum, Gallicum, Book IV, chaps. 20-38, and Book V, chaps. 1-23; Virgil, Æneid, Book I, vv. 1-510.

1912: Caesar, Bellum Gallicum, Book IV, chaps. 20-38, and Book V, chaps. 1-23; Virgil, Aeneid, Book II, vv. 1-505.

Two papers will be set: (1) Translation at sight, Virgil, and accidence. (2) Translation into Latin, syntax, and idiomatic translation from prescribed Cæsar, etc.

English.

Composition: An essay on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and grammatical construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About two pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

Literature.—The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art. The candidate shall produce satisfactory proof by the certificate of the Principal of the school from which he comes, or otherwise, that he has read carefully during the preceding year at least four suitable works in English Literature (both prose and poetry) in addition to those prescribed below for examination.

One examination paper.

1910.

Tennyson: Ode to Memory, The Dying Swan, The Lotus Eaters, Ulysses, "You ask me, why," "Of old sat Freedom," "Love thou thy land," "Tears, idle tears," and the six interlude songs from the Princess, The Brook, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden.

Shakespeare: Julius Cæsar.

1911.

Tennyson: The Poet, The Lady of Shalott, Oneone, The Epic and Morte d'Arthur, St. Agnes' Eve, The Voyage, "Break, break, break," In the Valley of the Cauteretz.

Browning: My Last Duchess, "How they brought the good news from Ghent to Aix," Love among the Ruins, Home Thoughts from Abroad, Up at a Villa, Andrea del Sarto, The Guardian Angel, Prospice, An Epistle of Karshish, Cavalier Tunes.

Shakespeare: Macbeth.

1912.

Coleridge: The Ancient Mariner.

Wordsworth: Michael, Influence of Natural Objects, Nutting, Expostulations and Reply, The Tables Turned, The Solitary Reaper, Ode to Duty, Elegiac Stanzas, To the Rev. Dr. Wordsworth, "She was a Phantom of Delight," To the Cuckoo, The Green Linnet, "Bright Flower! Whose Home," To a Skylark ("Ethereal Minstrel! Pilgrim of the Sky!"), Reverie of Poor Susan, To My Sister, "Three Years She Grew in Sun and Shade," September 1819, Upon the same Occasion. The following twelve sonnets: "A flock of sheep that leisurely," "Earth hath not anything," "It is not to be thought of," "Fair Star of Evening," "O Friend! I Know Not," "Milton! Thou Shouldst," "When I Have Borne in Memory," Brook whose society," "Tax Not the Royal Saint," "They Dreamt Not of a Perishable Home."

Shakespeare: Merchant of Venice.

GREEK.

Translation into English of passages from the prescribed texts, with questions thereon.

Translation at sight of simple narrative passages similar to the Xenophon prescribed.

Questions in Greek accidence and on the common rules of Greek syntax, to test the candidate's accuracy and comprehension in such matters as are needful for the intelligent reading of his texts.

The following are the prescribed texts:—

1911: Xenophon, *Philpotts and Jerram*, Easy Selections from Xenophon, chaps. 3, 4, 5; Homer, Iliad I, 1-350.

1912: Xenophon, *Philpotts and Jerram*, Easy Selections from Xenophon, chaps, 3, 4, 5; Homer, Iliad VI, 66-118 and 237 to the end.

Two papers will be set: (1) Prescribed texts; (2) translation at sight, accidence and syntax.

German.

The candidate5s knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the following prescribed texts:—

The texts contained in the High School German Reader.

1911: *Leander,* Träumereien, pp. 45-90 (selected by Van Daell).

1912: *Baumbach, Waldnovellen.*

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into German.

French.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:—

Lamennais, Paroles d'un Croyant, Chaps. VII and XVII; *Perrault,* Le Maître Chat ou le Chat Botté; *Dumas,* Un Nez Gelé, and La Pipe de Jean Bart; *Alphonse Daudet,* La Dernière classe, and la Chèvre de M. Seguin; *Legouvé,* La Patte de Dindon; *Pouvillon,* Hortibus; *Loti,* Chagrin d'nu Vieux Forçat; *Molière,* L'Avare, Acte III, sc. 5 (Est-ce à votre cocher . . . sous la mienne); *Victor Hugo,* Waterloo, Chap. IX; *Rouget de L'Isle,* La Marseillaise; *Arnault,* le Feuille; *Chateaubriand,* l'Exilé; *Théophile Gautier,* la Chimère; *Victor Hugo,* Extase; *Lamartine,* L'Automme; *De Musset,* Tristesse; *Sully Prudhomme,* Le Vase brisé; *La Fontaine,* Le Chêne et Le Roseau.

1911: *Labiche,* La Grammaire.

1912: *Labiche,* Les Petits Oiseaux.

Two papers will be set: (1) Prescribed texts and translations at sight; questions on grammar; (2) the translation of English into French.

History.

Great Britain and Canada.—Great Britain and Canada from 1763 to 1885, preceding periods of British and Canadian history.

The geography relating to the history prescribed.

One examination paper.

General outlines of Greek history to the fall of Corinth.

General outlines of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One examination paper.

Mathematics.

Arithmetic.—Elementary Rules, Fractions (vulgar and decimal), Contracted methods of computation, Square Root, Interest, Discount, Commission, Insurance, Stocks and Exchange.

Mensuration.—The Rectangle, the Parallelogram, the Triangle, the Circle, the Parallelopiped, the Prism, and the Cylinder.

One examination paper.

Note: The problems proposed at this examination will be simple and direct, and in their solution neatness and accuracy will be insisted on.

Algebra.—Elementary rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unqnown quantities; indices; surds; quadratics of one and two unknown quantities.

One examination paper.

Geometry: A.—Constructions.

To construct a triangle with sides of given lengths.

To construct an angle equal to a given rectilineal angle.

To bisect a given angle.

To bisect a given straight line.

To draw a line perpendicular to a given line from a given point in it.

To draw a line perpendicular to a given line from a given point not in the line.

Locus of a point equidistant from two given lines.

Locus of a point equidistant from two given points.

To draw a line parallel to another, through a given point.

To divide a given line into any number of equal parts.

To describe a parallelogram equal to a given triangle and having an angle equal to a given angle.

To describe a parallelogram equal to a given rectilineal figure, and having an angle equal to a given angle.

On a given straight line to describe a parallelogram equal to a given triangle, and having an angle equal to a given angle.

To find the centre of a given circle.

From a given point to draw a tangent to a given circle.

On a given straight line to construct a segment of a circle containing an angle equal to a given angle.

From a given circle to cut off a segment of a circle containing an angle equal to a given angle.

In a circle to inscribe a triangle equiangular to a given triangle.

To find locus of centres of circles touching two given lnies.

To inscribe a circle in a given triangle.

To describe a circle touching three given straight lines.

To describe a circle about a given triangle.

About a given circle to describe a triangle equiangular to a given triangle.

To divide a given line similarly to another given divided line.

To find the fourth proportional to three given lines.

To describe a polygon similar to a given polygon, and with the corresponding sides in a given ratio.

To find the mean proportional between two given straight lines.

To construct a polygon similar to a given polygon, and such that their areas are in a given ratio.

To describe a polygon of a given shape and size.

B.—Theorems.

The sum of the angles of any triangle is euqal to two right angles.

The angles at the base of an isosceles triangle are equal, with converse.

If the three sides of one triangle be equal, respectively, to the three sides of another, the triangles are equal in all respects.

If two sides and the included angle of one triangle be equal to two sides and the included angle of another triangle, the triangles are equal in all respects.

If two angles and one side of a triangle be equal to two angles and the corresponding side of another, the triangles are equal in all respects.

If two sides and an angle opposite one of these sides be equal, respectively, in two triangles, the angles opposite the other pair of equal sides are either equal or supplemental.

The sum of the exterior angles of a polygon is four right angles.

The greater side of any triangle has the greater angle opposite it.

The greater angle of any triangle has the greater side opposite it.

If two sides of one triangle be equal, respectively, to two sides of another, that with the greater contained angle has the greater base, with converse.

If a transversal fall on two parallel lines, relations between angles formed, with converse.

Lines which join equal and parallel lines towards the same parts are themselves equal and parallel.

The opposite sides and angles of a parallelogram are equal and the diagonal bisects it.

Parallelograms on the same base, or on equal bases, and between the same parallels, are equal.

Triangles on the same base, or on equal bases, and between the same parallels are equal.

Triangles equal in area, and on the same base, are between the same parallels.

If a parallelogram and a triangle be on the same base, and between the same parallels, the parallelogram is double the triangle.

Expressions for area of a parallelogram, and area of a triangle.

The complements of the parallelogram about the diagonal of any parallelogram are equal.

The square on the hypotenuse of a right-angled triangle is equal to the sum of the squares on the sides.

If a straight line be divided into any two parts, the sum of the squares on the parts, together with twice the rectangle contained by the parts, is equal to the square on the whole line.

The square on a side of any triangle is equal to the sum of the squares on the other two sides + twice the rectangle contained by either of these sides and the projection of the other side on it.

If more than two equal straight lines can be drawn from the circumference of a circle to a point within it, that point is the centre.

The diameter is the greatest chord in a circle, and a chord nearer the centre is greater than one more remote. Also the greater chord is nearer the centre than the less.

The angle at the centre of a circle is double the angle at the circumference on the same arc.

The angles in the same segment of a circle are equal, with converse.

The opposite angles of a quadrilateral inscribed in a circle are together equal to two right angles, with converse.

The angle in a semicircle is a right angle; in a segment greater than a semicircle less than a right angle; in a segment less than a semicircle greater than a right angle.

A tangent is perpendicular to the radius to the point of contact; only one tangent can be drawn at a given point; the perpendicular to the tangent at the point of contact passes through the centre; the perpendicular from centre on tangent passes through the point of contact.

The angles which a chord drawn from the point of contact makes with the tangent, are equal to the angles in the alternate segments.

The rectangles under the segments of intersecting chords are equal.

If $OA.OB.=OC^2$, OC is a tangent to the circle through A, B and C.

Triangles of the same altitude are as their bases.

A line parallel to the base of a triangle divides the sides proportionally, with converse.

If a vertical angle of a triangle be bisected, the bisector divides the base into segments that are as the sides, with converse.

The analogous proposition when the exterior angle at the vertex is bisected, with converse.

If two triangles are equiangular, the sides are proportional.

If the sides of two triangles are proportional, the triangles are equiangular.

If the sides of two triangles about equal angles are proportional, the triangles are equiangular.

If two triangles have an angle in each equal, and the sides about two other angles proportional, the remaining angles are equal or supplemental.

Similar triangles are as the squares on corresponding sides.

The perpendicular from the right angle of a right-angled triangle on the hypotenuse divides the triangle into two which are similar to the original triangle.

In equal circles angles, whether at the centres or circumferences, are proportional to the area on which they stand.

The areas of two similar polygons are as the squares on corresponding sides.

If three lines be proportional, the first is to the third as the figure on the first to a similar figure on the second.

Questions and easy deductions on the preceding constructions and theorems.

It is recommended that the study of formal demonstrative Geometry be preceded by a course in Practical Geometry, extending over not more than a year, and embracing the following:

Definitions; fundamental geometric conceptions and principles; use of simple instruments, as compasses, protractor, graduated rule, etc.; measurement of lines and angles, and construction of lines and angles of given numerical magnitude; accurate construction of figures; some leading propositions in plane geometry reached by induction as a result of accurate construction of figures; deduction also employed as principles are reached and assured. At the examination questions may be given in Practical Geometry, the constructions being such as naturally spring from the prescribed course. Candidates must provide themselves with a graduated rule, compasses, set-square and protractor.

In the formal deductive Geometry, modifications of Euclid's treatment of the subject will be allowed, though not required, as follows:

The employment of the "hypothetical construction."

The free employment of the method of superposition, including the rotation of figures about an axis, or about a point in a plane.

A modification of Euclid's parallel postulate.

A treatment of ratio and proportion restricted to the case in which the compared magnitudes are commensurable.

One examination paper.

ELEMENTARY EXPERIMENTAL SCIENCE.

Physics: Use of meter rule; use of calipers and vernier for more accurate metric measurements (*e.g.*, diameters of wires, thickness of glass, plates, etc.); numrical calculations in the metric system.

Use of balance.

Specific gravity, by special gravity bottle and hydrostatic balance of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, latent heat; easy numerical examples.

Specific heat, latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallisation and evaporation.

One half examination paper.

Chemistry: Properties of hydrogen, chlorine, oxygen, sulphur, nitrogen, carbon, and their different compounds, especially those of economic and industrial importance.

Mixtures, solutions, chemical compounds, elements, nomenclature, laws of chemical combination, reacting weights, chemical formulæ and equations, with easy numerical examples.

One half examination paper.

CURRICULUM.

Undergraduates who are candidates for the degree of M.D., C.M., must complete a period of five years' study, which must comprise four sessions of eight months each, and a fifth year for which three options are permitted.

The degree of M.B. will be available upon the completion of four sessions of eight months each, but it will not be necessary to hold this degree to proceed to the degree of M.D.

Regular attendance on full courses of instruction is required in the following departments:—

SUBJECTS OF STUDY.

1st Year:—Physics, Animal Biology, Physiology, Histology, Anatomy, Practical Anatomy, Chemistry, Materia Medica.

2nd Year:—Anatomy, Practical Anatomy, Materia Medica, Practical Pharmacy, Chemistry Organic, Chemistry Analytical, Toxicology, Urinalysis, Chemical Physiology, Physiology, Histology, Embryology.

3rd Year:—Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Therapeutics, Obstetrics and Pædiatrics, Jurisprudence, Pathology, Bacteriology, Medical and Surgical Anatomy.

4th Year:—Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Obstetrics and Gynæcology, Medical and Surgical Anatomy, Pathology, Mental Diseases, Diseases of the Eye, Ear, Nose and Throat, Sanitary Science.

5th Year:—This must be spent in one of three ways:

(1). The whole year as House Surgeon in a recognized Hospital.

(2). Six months with a legally qualified practitioner and six months attending clinical lectures at a recognized Hospital.

(3). Six months with a legally qualified practitioner and six months in a medical school.

Fifth year students must inform the Secretary of the Faculty not later than the 16th of October how the year is being spent and the proposal must have the approval of the Faculty. The certificates presented at the end of the fifth year must be accompanied by a declaration as to the work done.

The above courses of study may have been pursued either wholly at Queen's or partly at Queen's and partly at some other recognized medical school. In the latter case at least one full session must have been spent at this University.

Certificates of attendance on lectures are accepted from incorporated medical schools in the British Dominions and others recognized by British Universities and licensing bodies. Other certificates of attendance on lectures and examinations may be accepted at the discretion of the faculty.

Students who have passed the Senior Leaving examination in Zoology of the Education Department will not be required to attend lectures on Animal Biology during the first session.

All students must present certificates of having compounded medicine for a period of six months in the office of a regularly qualified medical practitioner; of having attended at least six cases of midwifery; of having reported six medical and six surgical cases; of having attended and reported on six post-mortem examinations; and of having attended hospital practice for at least twenty-four months, before being permitted to take their final examination.

Graduates in Arts who have attended during their course lectures, or taken practical instruction of the character or duration required by the curriculum in medicine, may obtain certified tickets of the course on payment of the ordinary fee demanded from students in Medicine, less the laboratory fee, paid during their Arts course.

Students in Arts or Science having the study of Medicine in view are recommended to take either of the following courses, as they may thus obtain their B.A. and M.B. or their B.Sc. and M.B. degrees in six years:—

Course leading to B.A. and M.B. in six years.

A.—1. Junior Latin. } Any two.
2. Junior Greek. }
3. Junior French. }
4. Junior German. }
B.—1. Junior and Senior English.
2. Junior Philosophy.
3. Junior Mathematics.
C.—1. Junior Physics and Junior Chemistry.
2. Animal Biology and Medical Botany.
3. Junior and Senior Materia Medica.
4. Junior and Senior Anatomy.
5. Senior Physiology and Histology.
6. Senior Chemistry.
D.—1. Preliminary Honour Chemistry.
2. Preliminary Honour Animal Biology.

Examination on Translation in French or German at the end of the second, third and fourth year.

The degree of B.A. is granted on the completion of the above course, which is also equivalent to the completion of the second year in Medicine.

Preliminary Honour Animal Biology (D.—2) must be taken at least one session previously to attendance on Senior Physiology and Histology (C.—5); these latter being parts of the final honours.

Course leading to B.Sc. and M.B. in six years.

First Year
- Math. I (8)
- Junior English (4)
- Physics I (5)
- Junior Chemistry (3)
- Drawing I (5)
- Surveying I (*b*) (1)
- Workshop I (5)

Second Year
- Physics II.
- Organic Chemistry I (3)
- Analytical Chemistry I, II (5)
- Physiological Chemistry I (1)
- Physiological Chemistry and Urinalysis (4)
- Animal Biology.
- Mathematics II.
- Medical Botany.
- Mineralogy V.
- Geology I.

Third Year	Human Anatomy as for 1st Year Medical students. Junior Physiology and Histology. Quantitative Analysis (air, water, food). Hydraulic Engineering I. Bacteriology. Junior Materia Medica.
Fourth Year	Human Anatomy as for 2nd Year Medical Students. Final Honours in Animal Biology. Municipal Engineering I and II. Senior Materia Medica and Pharmacy. Sanitary Science. Pathology.

The degree of B.Sc. is granted on the completion of the above course, which is equivalent to the completion of the second year in medicine.

EXAMINATIONS AND GRADUATION.

Every candidate intending to appear at the Final examination must, on or before the 1st day of April in the year in which he proposes to graduate, present to the Secretary a declaration under his own hand that he is twenty-one years of age, or that he will be so before the date of graduation, accompanied by a certificate of good moral character, and a statement of his medical studies, with proper certificates.

Every student must on or before April 1st notify the Secretary of the examinations upon which he intends to write. For this purpose blank forms are supplied.

Examinations.

Examinations are required at the end of every session as follows:—

At the end of the first session:—

Anatomy, Animal Biology and Physiology, Theoretical Chemistry, *Physics, Materia Medica.

At the end of the second session:—

Anatomy, Physiology, Histology, Materia Medica and Practical Pharmacy, Chemistry—Theoretical and Analytical.

At the end of the third session:—

Practice of Medicine (including a practical examination in clinical methods and diagnosis), Therapeutics, Surgery, Clinical Surgery, Obstetrics and Pediatrics, Pathology, Jurisprudence, Medical and Surgical Anatomy, Bacteriology.

At the end of the fourth session:—

Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Obstetrics, Gynæcology, Medical and Surgical Anatomy, Pathology, Diseases of the Eye, Ear, Nose and Throat, Sanitary Science, Mental Diseases.

*Examinations on this subject will be held on December 19, 1910.

On each senior paper the examiner may put pass and honor questions. Students desiring rank must answer both.

Supplementary examinations will be held in Convocation Hall, commencing September 15th, 1910, at 9 a.m.

Students who desire to take an honour course in Arts and who have the study of Medicine in view, are advised to take, during their Arts course, the honour subjects in Animal Biology, and thus complete part of the Practical Anatomy and all the Physiology and Histology of their Medical course. An Arts Degree along these lines shortens by one year the course of study required by the Medical Council of Ontario.

Equivalent Examinations.

The following courses and examinations in Arts will be accepted in Medicine:—

1. Attendance on the preliminary honour course and examinations in first year Animal Biology and preliminary honours.
2. Attendance on the honour course and examination in second year Animal Biology, including Histology.
3. Course and examination in Junior Chemistry.
4. Course and examination in Senior and Preliminary Honour Chemistry. Arts Calendar.
5. Course and examination in Preliminary Honour Chemistry.
6. Course and examination in Junior Physics, in Arts or Science, or Part II Physics, Senior Leaving.

1. Course and examination in first year Physiology and Animal Biology.
2. Course and examination in second year Physiology and Histology.
3. Course and examination in first year Chemistry.
4. Course and examination in second year Chemistry.
5. Course and examination in Senior Chemistry and in Analytical Chemistry.
6. Course and examination in Physics.

Degree of Doctor of Science (D.Sc.)

The higher degree of D.Sc. is granted under the following conditions:—

(1). The period of two years must elapse between graduation as M.D. and the completion of the course.

(2). Original and independent research in some subject of importance to medical science must be undertaken.

(3). The candidate must submit a thesis embodying the results of his research. The literary as well as the scientific quality of the thesis is to be taken into account in judging the candidate's fitness to proceed to the examination.

(4). The candidate must apply in writing to the Secretary at least two years before he proposes to present himself for final examination, and must submit the subject of his research for approval.

(5). The examinations will be upon subjects cognate to that of the thesis and will be assigned by the Faculty. They will include a reading knowledge of scientific French or German.

Course for Diploma of Public Health (D.P.H.).

A. For candidates who have taken the B.Sc., M.D. course.

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken: (1). Three months in attendance and clinical instruction in an Hospital for Infectious diseases; (2). Three months in a Bacteriological Laboratory, devoted to bacteriological aspects of Public Health; (3). One week in practical testing of milk and milk products for chemical constitution and common adulterations; (4). Six months with a recognized Medical Officer of Health in the practical study of Sanitation.

B. For candidates proceeding to take this Diploma after graduation as M.D.

Such candidates will be entitled to enter for examination for this Diploma on presenting certificates of having taken:

(1). Three months' course in Sanitary Physics (Principles of Statics, Pneumatics, Hydraulics, Light, Photometry, Heat, Thermometry, Hygrometry).

(2). Three months' course in Sanitary Chemistry, especially devoted to Quantitative and Qualitative analysis of air, water, and common food stuffs. This course to include one week's work of practical testing of milk and milk products for adulteration or sophistication.

(3). Three months' course in a Bacteriological Laboratory devoted to bacteriological aspects of Public Health work, such as, examination of sputum, blood, swabs, water and milk, and the detection of common animal parasites.

(4). Three months' course in advanced Hygiene, covering especially a discussion of sewage and garbage disposal, water supplies, disinfection, transmissible diseases, vital statistics and sanitary legislation.

(5). Three months' course in Sanitary Engineering, including water services, sewerage systems, sewage and garbage disposal.

(6). Three months' attendance and clinical instruction in an Hospital for Infectious diseases.

(7). Six months with a recognized Medical Officer of Health in the study of practical sanitation.

FEES.

Matriculation Examination Fee	$ 5 00
Registration Fee (for those taking partial courses) 1st year	5 00
Each year thereafter	2 00
Sessional Fee for each of the first four years	100 00

The Sessional Fee, including Classes, Registration, Athletics, Library, Examination, Laboratories, and the required amount of dissection material, is $100.00 per session. If not paid in full before Nov. 1st, $105.00. Special arrangements will be made with those who do not take the full course in any year. All fees must be paid by Feb. 1st.

Fifth year	$ 50 00
Supplemental Examinations (each year)	10 00
Hospital Ticket—full course, payable with second year's fees	25 00
Hospital Ticket—one session	9 00
Ad eundem statum	10 00
Graduation—M.B.	20 00
—M.D., C.M.	30 00
—D.Sc.	50 00
—D.P.H.	20 00
Exclusive use of Microscope, per session	5 00

B.Sc. and M.B. Course.

First year	$ 55 00
Second year	55 00
Third year	60 00
Fourth year	65 00

Fifth and sixth years correspond to third and fourth years of M.D. course.

Graduation fees are payable to G. Y. Chown, B.A., Registrar of the University; all other fees to Dr. Williamson, Secretary of the Faculty of Medicine.

AVERAGE COST PER SESSION.

Board and lodging	$100 00 to $150 00
Books and Stationery	10 00 " 20 00
Incidentals	12 00 " 20 00
Class fees	100 00 " 105 00
Hospital fee (for 3 years)	9 00 " 9 00
	$231 00 to $304 00

PRIZES.

Besides University prizes, scholarships and honours open to Medical students, the following are offered, viz.:

1. Two Faculty Prizes in Practical Anatomy for the best dissection of any extremity.

2. At the end of the second session:—

A prize of $25.00 to be awarded to the student making the highest number of marks on the year's examinations in Anatomy, Physiology, Histology and Chemistry—Theoretical and Practical.

3. The New York Alumni Association Scholarship of $50.00. Awarded to the student making the highest marks in the honour Physiology and Histology papers of the course. Open also to Arts students in honour Animal Biology.

4. A standard work on Medicine will be awarded to the student making the highest percentage of marks on the year's examination in Materia Medica, Therapeutics and Pharmacy.

5. At the end of third session:—

The Dean Fowler Scholarship; value $50.00.

This Scholarship will be awarded to the student making the highest percentage of marks on the examinations of the year, and will be enjoyed by the successful candidate during the fourth session.

6. A standard work on Pathology will be awarded for the best written and practical examination on Pathology.

7. At the end of the fourth session till 1912, afterwards at the end of the fifth session:—

The Chancellor's Scholarship of $70.00.

This scholarship will be awarded to the student who has made the highest number of marks on all the examinations for the degree of M.D.

8. A University Medal to the student making the highest number of marks in the examinations in Practice of Medicine, Clinical Medicine, Therapeutics, Pathology, Bacteriology, Sanitary Science, Jurisprudence and Mental Diseases.

9. A University Medal to the student making the highest number of marks in Surgery, Clinical Surgery, Obstetrics and Gynæcology, Medical and Surgical Anatomy, Eye, Ear, Nose and Throat.

10-12. Three House Surgeoncies at the Kingston General Hospital, of twelve months each, are to be awarded to three students of the fourth year.

Candidates for these positions must have passed all previous examinations. These appointments must be approved by the Board of Governors of the Kingston General Hospital.

A House Surgeoncy and the Chancellor's Scholarship cannot be held by the same student, but a student winning both may elect which he will hold.

13. A prize of $25.00, given by Dr. W. C. Barber, to the fourth year student passing the best examination on the subject of Mental Diseases.

14. Two Clinical Assistants are appointed to the staff of the Rockwood Hospital for the Insane to work during the summer. Applications must be made to Dr. Ryan, Superintendent, by whom the appointments are determined, regard being had to the special qualifications necessary for such work.

Exhibition of 1851, Science Research Scholarship.

15. This scholarship of the annual value of £150 stg., is awarded by His Majesty's Commissioners for the Exhibition of 1851 to students who have given evidence of capacity for original research, and (except in very special circumstances) are under 30 years of age.

The nominee must be a British subject, must have been a *bona-fide* student of this University for three years, must have been a student of this University for a full year immediately before his nomination, must be a student of this University at the time of his nomination (or he must have been a student at this University for a full year ending within twelve months prior to his nomination and since ceasing to be such student must have been engaged solely in scientific study), and must pledge himself not to hold any position of emolument whilst holding the scholarship. He is recommended to the Commissioners by the Senate of the University. The scholarship may be held for a second year, if the report of the first year's work be satisfactory to the Commissioners. The scholar will in the absence of special circumstances be required to proceed to an institution other than that by which he is nominated, and there pursue some investigation likely to promote technical industries or scientific culture. The particular investigation the student proposes to pursue must be stated before a scholarship can be awarded.

The next recommendation will be made by the Senate in April, 1911.

STUDENTS' APPOINTMENTS.

1. Four prosectors in Anatomy, to each of whom a Diploma of merit will be awarded.

2. Prosectors in Applied Anatomy, to each of whom a Diploma of merit will be awarded.

3. Demonstrators and assistant Demonstrators in Pharmacy and Pharmacology.

4. Demonstrators and assistant Demonstrators in Physiology and Histology.

Fifth year students holding these appointments are exempt from the fifth year fee.

5. Pathological clerks will be appointed in turn during the session to prepare microscopic specimens, and to assist at and report upon post-mortem examinations.

6. Clinical clerks, medical, surgical and gynæcological, are appointed to take charge of and report on the cases in the wards of the Hospital.

Course and Methods of Instruction.

ANATOMY.

Edward Ryan, B.A., M.D., Professor of Applied Anatomy.
G. W. Mylks, M.D., C.M., Associate Professor of Applied Anatomy.
F. Etherington, M.D., C.M., L.R.C.P. and S., Edin., Professor.
C. A. Morrison, M.D., C.M.
A. W. Richardson, B.A., M.D., C.M.
J. F. Sparks, B.A., M.D., C.M.
S. J. Keyes, M.D., C.M.
} Demonstrators.

The course in Descriptive Anatomy is arranged as follows:

First Year.—(*a*) Six lectures on the history and general outline of the subject.

(*b*) The study of the bones of upper and lower extremities. Special demonstrations are given to small sections of the class.

(*c*) Complete dissection of upper and lower extremities, as outlined in Cunningham's "Manual of Practical Anatomy."

(*d*) Review and demonstration in dissecting room, twice weekly.

Second Year.—(*a*) The study of the bones of the head and trunk.

(*b*) Complete dissection of head and neck, abdomen and thorax.

(*c*) Twenty demonstrations on the development and structure of the Central Nervous System.

(*d*) Demonstrations on the Organs of Special Sense and viscera.

(*e*) Review and demonstration in the dissecting room twice weekly.

Anatomy is taught in the most practical and thorough manner, and throughout the four years of study.

Dr. Etherington devotes all his time to teaching and demonstrating, and to the management of the dissecting room.

Third year students attend Applied Anatomy two hours a week, and fourth year students two hours a week.

Students must dissect the whole of the human body during the course. Preliminary and final examinations are required from each student on each extremity, and no certificate is given unless the examinations are satisfactory.

All lectures and demonstrations are illustrated by carefully dissected moist and dry preparations, frozen sections, plates, photographs and drawings.

Special demonstrations are given on the bones, brain, organs of special sense, and viscera.

In the third year attention is specially directed to anatomical relations, to ligation of arteries, and to displacement in fractures and dislocations. In the fourth year topographical anatomy will receive special consideration.

Prizes are awarded for dissections, and special prizes are given for proficiency in the study of anatomy.

The dissecting rooms are open from 9 a.m. to 5 p.m., and during the hours for dissection the Professors and Demonstrators are in constant attendance guiding and assisting the work of the students. One entire flat of the Medical Building is devoted to anatomical purposes. The dissecting rooms are large, well lighted and thoroughly ventilated. An abundance of the best dissecting material, prepared in the most approved manner, is constantly on hand for the use of the students.

Students must complete the class in Practical Anatomy before being permitted to write on the examinations in Senior Anatomy.

Arrangements can be made by graduates and others for the use of the dissecting room and for material for special study and research.

Books of Reference.

Anatomy—Gray, Cunningham, Morris, Spalteholtz.

Practical Anatomy—Cunningham's Manual, Barker.

Applied Anatomy—Mundell, Woolsey, Treves, Bellamy, Fuller.

ANIMAL BIOLOGY, INCLUDING PHYSIOLOGY AND HISTOLOGY.

A. P. Knight, M.A., M.D., Professor.

F. Etherington, M.D., L.R.C.P. and S., Edin., Lecturer in Animal Morphology.

I. G. Bogart, M.D., C.M., Demonstrator.

First Year. This includes an elementary course of lectures and demonstrations in Animal Biology to be given three days a week throughout the session. The course is common to the pass students in Arts and is designed as an introduction to the whole range of biological studies.

2. The demonstrations in physiology are preceded by a course in the practical anatomy of the cat, especially its visceral anatomy. No formal course of lectures is given, the instruction being limited to a series of demonstrations designed to elucidate the fundamental facts in physiology and histology as discussed in Moore's Elementary Physiology. The student is thus relieved from the labor of note-taking and is expected to spend his time upon the practical work necessary for the proper comprehension of the text-book.

Second Year. 1. The students of the second year will attend throughout

the session an advanced course of lectures and practical instruction in physiology and histology. They will be instructed in the use of various physiological instruments, such as the sphymograph, spirometer, manometer, etc., and everything will be done, as far as time will permit, to make them practically acquainted with modern physiology, its methods, its deductions, and the basis upon which the latter rest.

2. Histology. The minute anatomy of the various tissues and organs will first of all be demonstrated by means of diagrams and the use of the projection microscope. Subsequently a large number of sections of both fresh and prepared tissues will be furnished to each student for examination under the microscope. These sections must be carefully studied, drawn and described in a blank book specially provided for the purpose. A microscope can be rented for $5 per session; or one can be purchased for $40.50, payable at once or in yearly instalmnets of $13.50. A complete set of microscope specimens, covering the work of two sessions, is sold to students for $6.00.

Equipment.

1. A laboratory for practical instruction in histology.
2. A laboratory for the preparation of demonstrations in physiology, histology and embryology.
4. A room for lectures and recitations.
5. A dissecting room for work in comparative anatomy.
6. A room containing the apparatus necessary for all ordinary experiments in physiology.

The Professor's private laboratory is open to any post-graduate student who may desire to undertake research work.

Books of Reference.

Dictionary.—Dorland's Pocket Medical, American Illustrated Medical.

Physiology.—Moore's Elementary Physiology for first year students. For second year students Tigerstedt's Text-book, Halliburton's Handbook, last (5) edition, or Howell, or Stewart.

Histology.—Hill, Sterling, or Dunham; Bœhm, translated and edited by Davidoff and Huber. This latter book strongly recommended.

CMEMISTRY.

W. L. Goodwin, D.Sc., Edin., Professor.
W. O. Walker, M.A., Associate Professor.
John Waddell, Ph.D., Leip., D.Sc., Edin., Assistant Professor.
Leo F. Guttmann, Ph.D., F.I.C., Assistant Professor.
W. D. Bonner, M.A., Lecturer.
R. J. Manning, M.A., Lecturer.
J. A. McRae, M.A., Fellow.
R. E. Easson, M.A., Demonstrator.

The Lecture rooms and Laboratories are situated in the Chemistry Building. The laboratories are open from 8 a.m. to 5 p.m. There are eleven large laboratories, besides twelve smaller rooms, devoted to special branches of analytical chemistry and research.

(*a*) Junior Chemistry.

1. A course of two lectures per week on elementary chemistry, including a description, with experiments, of the common elements and compounds, a discussion of chemical laws and theories, and practical chemical calculations.

2. Laboratory practice; three hours per week.

(*b*) Senior Chemistry.

Organic chemistry. An outline of organic chemistry with description of compounds having a relation to the theory and practice of medicine; one hour per week.

(*c*) Practical Chemistry; four hours per week.

1. Analytical chemistry, including the testing of solutions and powders.

2. Clinical and physiological chemistry, including urinalysis and the examination of nutrients, digestive fluids, bile, blood and milk.

3. Chemical Toxicology. A laboratory course in testing for poisons.

The examinations in Junior Chemistry must be passed before the classes in practical chemistry can be attended. All class exercises must be handed in before the class is closed for the session. Candidates who fail to do this will not be admitted to the examinations.

Text Books.

Alex. Smith's College Chemistry.
Bunge's Text-book of Organic Chemistry for Medical Students.
Long's Text-book of Physiological Chemistry.
Laboratory Manual of Physiological Chemistry.
Laboratory Manual of Urinalysis.

EYE, EAR, NOSE AND THROAT.

J. C. Connell, M.A., M.D., Professor.

The course consists of fifty clinics and demonstrations delivered to fourth year students, in the Fenwick operating room at the General Hospital.

There are also practical lessons in the use of the ophthalmoscope and laryngoscope, the class being divided into sections for this purpose.

Books of Reference.

Connell, Fuchs, Bacon, Dench, Bosworth, Knies, Friedrich, Coakley, Ball, Fox, Jackson, Bishop, Barnhill and Wales.

MEDICINE.

James Third, M.D., Tor., M.D., C.M., Trinity, Professor Medicine and Clinical Medicine.
Edward Ryan, B.A., M.D., Associate Professor of Clinical Medicine.

J. W. Campbell, M.D., C.M., Associate Professor of Medicine and Clinical Medicine.
W. C. Barber, M.D., Tor., M.D., C.M., Vic., Clinical Assistant.
E. H. Young, M.B., Tor., Clinical Assistant.
Wm. Gibson, M.D., Clinical Assistant.

The whole subject is covered in a systematic course of lectures once during the third and fourth years.

Such diseases as typhoid, pneumonia, tuberculosis, &c., are considered each year.

The lectures are illustrated by lantern slides, plates and diagrams, by morbid specimens from the pathological museum, and by reference to cases in the wards of the various institutions.

The clinical lectures are given in the General Hospital, the Hotel Dieu, Rockwood Asylum, and other medical charities of Kingston.

The course for students of the third year includes:—

1. Clinical methods, case-taking, &c.
2. Bedside instruction in the more common non-infectious diseases.
3. Laboratory investigation of cases studied.

Fourth Year.

The course includes:—

1. The reporting of cases.
2. Daily bedside instruction.
3. Clinical lectures and demonstrations in the various amphitheatres.
4. Laboratory investigation.

By arrangement with the authorities of the different institutions an ample supply of clinical material is always available.

Books of Reference.

Theory and Practice of Medicine.—Osler, Anders, Hare, Osler's Modern Medicine.

Clinical Methods and Diagnosis.—Raney & Hutchison, Musser, Cabot, Greene, Butler, Wilson, Webster, Sahli.

Dermatology.—Walker, Stelwagon, Pusey, Hyde.

Neurology.—Dana, Campbell.

MEDICAL JURISPRUDENCE.

A. R. B. Williamson, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor.
John McIntyre, M.A., K.C., Lecturer.

This class includes a course in Toxicology, in which the action of poisons,

general evidence of poisoning and classification of poisons are discussed, and reference is made to symptoms, chemical tests and post-mortem appearances.

The course in Jurisprudence includes documentary and oral evidence, identification, real and apparent death, autopsies, the taking down of evidence; the appearance of wounds and other external injuries before and after death; effects of suffocation, drowning; the detection of blood stains, seminal fluids, etc.; the evidence of rape, criminal abortion, concealment of pregnancy and infanticide; insanity, feigned diseases, impotence, sterility, legitimacy, life assurance and malpractice. The lectures are illustrated with plates and specimens.

Books of Reference.

Poore, Reese, Herold, Taylor, Hamilton, Tidy, Witthaus & Becker, Peterson & Haines, Glaister, Draper, Cathell.

OBSTETRICS AND GYNAECOLOGY.

R. W. Garrett, M.A., M.D., Professor.
I. Wood, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin.,
Associate Professor.

There are separate courses in Obstetrics for third and fourth year students. Gynæcology is studied in the fourth year.

For third year students the course in Obstetrics will include the anatomy of the pelvis; anatomy, anatomical relations and physiology of the organs of generation; menstruation, ovulation and conception; development of the embryo, fœtus and fœtal appendages; the diagnosis of pregnancy, phenomena and management of normal labor; management of the mother and infant during the puerperal period; mechanism and management of labor for the several presentations and positions; delivery by forceps; by version; hæmorrhoge during pregnancy and post partum.

In the *fourth* year the pathology of pregnancy, parturition and the puerperium is taken up. Under this heading is considered the diseases of the membranes and placenta; the diseases and disorders of pregnancy; the effects of certain diseases on pregnancy and parturition; dystocia the result of deformed pelvis, faulty mechanism, mal-presentations and positions; antepartum and post partum hemorrhage; diseases incident to the puerperium. The lectures are illustrated by the artificial pelvis, drawings and models. The class is admitted to the practice of the Maternity Wards of the Hospital where practical instruction is given in the management and care of such cases.

Clinical Gynæcology is attended by sections of the class in the Doran Building.

Books of Reference.

Obstetrics.—Edgar, Hirst, Webster, Dorland, Garrigue, American Text-Book of Obstetrics, Peterson, Jewett, King's Manual.

Gynæcology.—Ashton, Gilliam, Dudley, Montgomery, Penrose, Findley's Gynæcological Diagnosis; Gynæcology and Abdominal Surgery, Kelly and Noble; Albutt and Rolleston.

PATHOLOGY AND BACTERIOLOGY.

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., Lond., Professor.
A. R. B. Williamson, M.A., M.D., M.R.C.S., Eng., L.R.C.P., Lond., Demonstrator.
W. Gibson, M.D., Demonstrator.

The course in Pathology comprises:—

1. A series of lectures, two per week, during the session on general pathology, for students of the third year. These lectures will be illustrated by plates, diagrams and morbid specimens.

2. A weekly demonstration in morbid histology during the session for third year students. Sections of various lesions are prepared and demonstrated each week, so that a representative series of specimens of diseased tissues are thus acquired by students.

3. A class in clinical microscopy will be held three hours each week during session.

4. A series of lectures on bacteriology, with practical instruction, occupying four hours each week during the session. Each student will have practical instruction in culture methods, examinations of pure cultures an dexamination bacteriologically of secretions and excretions of the body, with strict reference to the bearing of such on practical medicine.

5. A series of lectures and demonstrations on systemic pathology for students of the fourth year. Two hours per week will be spent during the session.

6. A class will be held one day each week at which the gross and microscopic morbid specimens from autopsies and operations will be demonstrated.

7. Students will be taken in rotation to assist in making post-mortem examinations and in making reports of such examinations. Students must attend at least six autopsies. Autopsies are held at the mortuaries of the General and Rockwood Hospitals.

Books of Reference.

Pathology.—Delafield & Prudden, Adami, Stengel, Coates, Zeigler, Coplin, Martin, Thayer, American Text Book of Pathology.

Pathological Histology.—Gaylord & Aschoff, Duerck.

Pathological and Bacteriological Technique.—Connell, Mallory & Wright, Eyre.

Bacteriology.—Jordan, McFarland, Abbott, Muir & Ritchie, Park, Calkins' Protozoology.

Clinical Diagnosis.—Simon, Emerson, Von Jaksch, Boston, Da Costa's Hæmatology, Ewing's Pathology of Blood, Cabot on Blood.

PEDIATRICS.

I. Wood, M.A., M.D., M.R.C.S., Eng., F.O.S., Edin., Professor.

This course is taken in the third year. It includes the general care and management of infants; clinical investigation of diseases in infants; injuries and diseases of the newly born; nutrition; derangements of nutrition; diseases due to faulty nutrition; diseases of the digestive system; acute infectious diseases, etc.

Books of Reference.

Holt, Tuttle, Fischer, Ruhrah, Chapin and Pisek.

PHARMACY AND PHARMACOLOGY.

A. E. Ross, B.A., M.D., Professor.

A. W. Richardson, B.A., M.D., Demonstrator of Pharmacy.

The course in Materia Medica is given during the first and second years. In the first year the student will become acquainted with the names of drugs, official and unofficial, their pharmaceutical preparations, the active principles and other constituents of the crude drugs and the minimum and maximum doses. The study will be done by recitations from a selected text-book and by demonstrations and examinations in the Pharmacy Laboratory.

When the students have gained sufficient knowledge of Anatomy and Physiology, lectures will be given, two hours each week, on the pharmacological action of drugs. Instruction will also be given in the latest methods of therapy.

Demonstrations will also be given once a week in Pharmacology, to illustrate the action of drugs, antidotes, alkaloidal poisoning and treatment, and post-mortem examinations of drug effects.

The class in Pharmacy will also be graded, beginning with demonstrations on the preliminary work of the first year, principally of the important pharmaceutical preparations. Special attention will then be given to the demonstration of incompatibles. Then each student will be instructed in prescribing and prescription writing.

Books recommended:—Mitchell Bruce, Thornton, Schleif, Sollman, Butler, Cushney, Lauder Brunton, Shoemaker.

PHYSICS.

A. L. Clark, M.A., Ph.D., Professor.

W. C. Baker, M.A., Associate Professor.

Demonstrations will be given twice a week to first year students till Christmas. The work is arranged to suit the requirements of students beginning the study of Medicine, and will give a concise outline of mechanics, hydrostatics, sound, heat, light, electricity and magnetism.

PSYCHIATRY.

W. C. Barber, M.D., Asst. Supt. Rockwood Hospital for the Insane, Professor.

This course of lectures is delivered at Rockwood Hospital for the Insane.

It includes a consideration of insanity in its various forms, special attention being devoted to diagnosis and treatment.

A prize of $25.00 is given by Dr. Barber to the fourth year student passing the best examination in Psychiatry.

Books of Reference.

Church & Peterson, White, Kraepelin, Mendel & Krauss, Defendorf.

SANITARY SCIENCE AND PREVENTIVE MEDICINE.

W. T. Connell, M.D., M.R.C.S., Eng., L.R.C.P., Lon., Professor.

These lectures are taken during the fourth year. They include the subjects of food, water, air and ventilation, sewage disposal, dwellings, hospitals, climate and soil in their relation to public health. The nature, methods of spread and means of prevention of the infective diseases will also be considered, including isolation, disinfection, quarantine and disposal of the dead.

Books of Reference.

Notter & Firth, Bergey, Harrington, Egbert, Glaister.

SURGERY.

D. E. Mundell, B.A., M.D., Professor.

W. G. Anglin, M.D., M.R.C.S., Eng., Professor Clinical Surgery.

E. Ryan, B.A., M.D., Associate Professor Clinical Surgery.

G. W. Mylks, M.D., Clinical Assistant.

C. A. Morrison, M.D., Clinical Assistant.

There are two courses in Surgery, a Junior and a Senior. The Junior class receives instruction in the principles of surgery with special reference to systematic diseases.

The course includes lectures on inflammation and its results, on erysipelas, tetanus, pyæmia, etc., on wounds and contusions, burns and scalds, on gonorrhœa and syphilis, and on diseases of the bones and joints.

In the senior year the course is devoted chiefly to regional surgery, including fractures and dislocations, injuries and diseases of the head and spine, the surgery of the mouth, neck and chest, hernia and the injuries and diseases of the abdominal viscera, the regional surgery of the pelvic organs and the perineum.

During the senior year all the principal operations are performed by the student himself. The class in operative surgery, which is held once a week, is notified of the operation to be performed, and each student is supposed to be ready to perform it, as he does not know who will be called upon. Two other students are detailed to assist the operator, and every step is followed as carefully as though he were operating on the living body. He is taught how to hold the knife, how to ligate vessels, and how to suture. He thus has opportunity to acquire practical surgical skill that no amount of reading or lecturing can afford.

Special instruction is given in the use of bandages, splints, dressings and surgical technique.

The clinical lectures are delivered at the General Hospital, the Hotel Dieu and Rockwood Hospitals, in the operating theatres and at the bedside in the wards. Major operations are performed before the whole class. During the session the students act as clinical clerks and dressers, and thus are brought into immediate contact with the patient and enabled to follow the case from day to day.

Books of Reference.

International Text Book (Warren-Gould), Whitman's Orthopædic Surgery, Treves' 'System, Treves' Operative Surgery, Dennis' System of Surgery, Rose & Carless, Scudder's Treatment of Fractures, Bickham's Operative Surgery, Minor Surgery (Foote), Kelly-Noble Surgery, Martin's Surgical Diagnosis; Kocher.

THERAPEUTICS.

J. W. Campbell, M.D., C.M., Professor.

The course in Therapeutics comprises lectures and demonstrations in 3rd and 4th years, the aim being to make the subject as practical as possible. During the third year the following will receive special attention: Dietetics, hygiene, hydrotherapy, massage, electricity, serum therapy, besides a study of the general principles of the subject. In the final year, the application of the various therapeutics measures to disease will be demonstrated, the wards being used for that purpose, with attention to prescription writing.

Books of Reference.

Tarcheimer, Ortner, Hare.

MUSEUM.

The Pathological Museum contains numerous valuable specimens collected both from hospital and private practice.

A catalogue has been compiled and is accessible for use in study of the specimens.

Contributions of morbid specimens will be gladly received from practitioners.

Specimens of congenital malformations, and of monstrosities, will be especially welcome.

LIBRARY.

The University Library is open to Medical students as well as to the students of the other Faculties.

The Medical Library is maintained by the Faculty in the Medical Building and is open to students. The Librarian is a member of the Association of Medical Librarians, which has for its object the fostering of medical libraries and the maintenance of exchange of medical literature.

The reading room is provided with the leading medical and surgical publications of the day.

REQUIREMENTS FOR LICENSE.

A University Degree does not always give the right to practice the profession of Medicine. It is also necessary to conform with the laws pertaining to the practice of Medicine in the province, state or country in which it is proposed to begin practice. Each province in Canada has a special standard of medical education and special requirements for license.

Province of Ontario.

The announcement of the College of Physicians and Surgeons of Ontario may be obtained from Dr. J. L. Bray, Registrar, Toronto.

The matriculation examination is the examination conducted by the Education Department on the course prescribed for Junior Matriculation in Arts, 40 per cent. minimum in each subject and 50 per cent. on total.

Graduates in Arts, and those who have passed Senior Arts Matriculation or the examination conducted at the end of the first year in Arts, are entitled to registration as matriculants.

Five years must be spent in actual professional studies. Four winter sessions of eight months each are required; the fifth or final year is devoted to clinical work.

Examinations are held at Toronto and Kingston. Three examinations are demanded, a primary at the end of the second year, an intermediate at the end of fourth year, and a final at the completion of the fifth year.

The fees are (*a*) Registration, $20.00; (*b*) Primary Examination, $30.00, (*c*) Intermediate and Final Examination, including Registration, $50.00.

An examination will be held in Toronto on the third Tuesday in September, 1910,. The next examination thereafter will be held at Toronto and Kingston on the third Tuesday in May, 1910.

Province of Quebec.

Information as to qualifications for the practice of Medicine in the Province of Quebec can be had from Dr. S. Boucher, Registrar, 20 St. James St., Montreal.

Province of Nova Scotia.

The regulations for candidates for the license of the Provincial Medical Board of Nova Scotia can be had from Dr. A. W. H. Lindsay, 241 Pleasant Street, Halifax, N.S.

Examinations take place twice a year, beginning on the first Thursday in May and the last Thursday in August.

Province of New Brunswick.

The Registrar, Dr. Stewart Skinner, St. John, N.B., will furnish details on application.

To become registered as a practitioner in this Province it is now necessary to pass examinations in all professional subjects.

The professional examinations will be held in St. John once each year, commencing on the fourth Wednesday in June, and at other times when considered advisable.

Prince Edward Island.

The requirements for this Province are the same as those of New Brunswick, and there is reciprocity with New Brunswick and Nova Scotia.

Manitoba.

Dr. J. S. Gray, 358 Hargrave Street, Winnipeg, is the Registrar, and will, on request, send particulars. The fee for registration and license is $75.00.

British Columbia.

The Registrar is Dr. C. J. Fagan, Victoria, B.C., to whom applications should be made for particulars. Examinations are held in the professional subjects, primary and final. The fee is $100, and examinations are held twice a year, the first Monday in May and the last Monday in October.

Alberta and Saskatchewan.

According to the amended Medical Ordinance (1900), a licentiate of any province in Canada may register and practice in the North-West Territories (Alberta and Saskatchewan) on payment of the special fee and without examinations. Dr. J. D. Lafferty, Calgary, is the Registrar for Alberta; Dr. Charlton, Regina, is the Registrar for Saskatchewan. Modifications may be made in the regulations of these provinces when Provincial Governments are fully organized.

Great Britain and Ireland.

The General Council of Medical Education and Enregistration has general supervision over the various licensing and examining Boards and keeps

the Medical Registrar. Enrolment on the Register entitles one to register not only in Great Britain, but in most British Colonies (except Canada). The main licensing and examining bodies recognized in Great Britain apart from the universities are as follows:—

In England—The Conjoint Board of the Royal College of Surgeons of England and Royal College of Physicians of London. Information can be obtained from the Secretary, Examination Hall, Victoria Embankment, London, W.C.

In Ireland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Ireland, of which Board the Secretary is Mr. Greenwood Pim, 6 Kildare Street, Dublin.

In Scotland—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Edinburgh and the Faculty of Physicians and Surgeons of Glasgow. Information can be obtained from Mr. George Robertson, 54 George's Square, Edinburgh, or from Mr. Alexander Duncan, 242 St. Vincent Street, Glasgow.

Certificates of Queen's University Medical Faculty are accepted by these Boards, so that those possessing the degree of M.D. from Queen's University are entitled to all the privileges in Great Britain that are accorded to students and graduates of other Colonial Colleges and Universities.

New York State.

All communications concerning license examinations should be addressed to "Examination Department," University of the State of New York, Albany, N.Y.

Examinations are held at New York, Albany, Syracuse and Buffalo, in the months of January, May and September.

Note.—The Journal of the American Medical Association publishes an Abstract of the Laws regulating the Practice of Medicine in the various States and Territories of the United States. The price is 30c, and it can be had by addressing the "American Medical Association," 103 Dearborn Street, Chicago, Ill.

Students in Attendance.

1909-1910.

Name.	Address.	Year.
Anderson, W. E., Ph.G.	Kingston	4
Anderson, F. C.	Kingston	2
Asselstine, S. M.	Marlbank	1
Bailey, J. G. L.	Rosemont	4
Barker, R. R.	Forfar	4
Bateman, W. R.	Regina, Sask.	3
Beete, J. T.	Henrietta, B.G.	4
Berry, W. E.	Moyre, B.C.	2
Beroard, L. C. E.	Ottawa	4
Bissell, E. S.	South Augusta	4
Blakslee, V.	Sydenham	1
Boak, E. W.	Vancouver, B.C.	1
Bow, M. R.	Regina, Sask.	4
Boyd, J. T. W.	Port Arthur	1
Boyd, F. C., B.A.	Kingston	3
Bracken, F. C.	Seeley's Bay	3
Brennan, E. J.	North Bay	1
Brown, A. E.	Warner, Alta.	1
Brown, Jas.	Davidson, Sask.	3
Burden, F. W.	St. John's, Newfoundland	1
Burnett, N. Lowe	Boston, Mass.	1
Burton, G. W.	Govt., Shemogue, N.B.	2
Campbell, G. L.	Pembroke	4
Carmichael, J. E.	Strathcona, Alta.	3
Carnduff, J. M.	Carnduff, Sask.	4
Charbonneau, J. E., B.A.	Hawkesbury	5
Chown, S. G.	Montreal, Que.	3
Cochrane, H. A.	Kingston	1
Collier, R. D.	Picton	1
Connell, W. S.	Kingston	1
Connell, H. R.	Kingston	1
Connelly, H. E.	Ottawa	2
Cook, W. Y.	Regina, Sask.	3
Cooke, G. L.	Kingston	4
Cooke, A. B.	Kingston	2
Corrigan, L. J.	Calgary, Alta.	3
Coulter, C. T.	Thornton	1

Name.	Address.	Year.
Cozier, R. N.	Georgetown, B.G.	2
Craig, V. H.	Saskatoon, Sask.	2
Crawford, C. M., B.A.	Kingston	3
Crowley, L. E.	Kingston	2
Dash, B. J.	Barbadoes, B.W.I.	4
Davis, E. C.	Hartford	3
Dean, K. C.	Brighton	1
de Beaupre, E. J.	Kingston	1
De La Matter, Ira	Brown's Nurseries	3
De Long, R. R.	Demorestville	2
Demorest, J. S.	Foxboro	1
Dexter, M. E., A.B.	Milton, N.S.	2
Dick, R. A.	Bolton	3
Dickson, J. S.	Rouleau, Sask.	1
Dougan, J. A.	Lindsay	4
Dunn, J. M.	Elgin	4
Earl, A. B.	Athens	1
Elliott, C. H.	Cataraqui	1
Ellis, R. J.	Ellisville	5
Fairbairn, J. F. R.	Peterboro	5
Fee, D. L.	Camden East	4
Fergusson, R. M.	Smith's Falls	4
Fizzell, M. H. W.	Schomberg	1
Flood, A. J.	Delta	2
Ford, W. H.	Bridgetown, Barbadoes	5
Fraser, J. W.	Regina, Sask.	1
Gaboury, W. L.	Plantagenet	2
Galbraith, T. M., B.A.	Thornbury	4
Gannon, A. H.	North Sydney, N.S.	4
Gardiner, W. H.	Burlington	2
Gardiner, J. N., B.A.	Kingston	4
Gibson, G. M.	Douglas	4
Goodwin, O. M.	Amherst, N.S.	2
Grace, N. M.	Killaloe Station	1
Graham, C. R., B.A.	Arnprior	2
Graham, E. R.	Lethbridge, Alta.	4
Grant, W. R.	Sintaluta, Sask.	1
Gravelle, F. W.	Portsmouth	3
Gray, A. A.	Estevan, Sask.	2
Grey, Harry	Ellisboro, Sask.	2
Grimshaw, R. K.	Kingston	1
Hale, Wm.	Gananoque	4
Halliday, A. A.	Chesley	2
Halstead, D. W.	Carnduff, Sask.	2

Name.	Address.	Year.
Hambly, W. R.	Napanee	3
Hamilton, W. G.	Elgin	2
Hanna, Chas. E.	Sydenham	1
Hardiman, B. C.	Fort William	1
Harrison, H. M.	Kingston	2
Harty, A. Harry	Alley, Jamaica	2
Holmes, G. E.	Athens	2
Houston, J. A.	Belleville	4
Howard, C. A.	Athens	2
Hubbell, E. D.	Thamesville	2
Hurley, J. J.	Toronto	2
Huyck, P. H.	Kingston	3
Irwin, D. C.	Red Deer, Alta.	2
Irwin, G. A. L.	Wine Harbor, N.S.	2
Jackson, J.	Souris, Man.	4
Jaffrey, W. R.	St. Marys	1
Johnson, A. W.	Oak Leaf	1
Jordan, Dennis	Kingston	4
Jordan, J. V.	Smith's Falls	3
Kane, Archie	Kingston	1
Kane, J. E.	Kingston	2
Keeley, A. J.	Railton	5
Kendrick, G. B.	Regina, Sask.	3
Kennedy, P. J.	Portsmouth	3
Kennedy, D. L.	Portsmouth	1
Kennedy, W. A.	Kingston	2
Kennedy, W. W.	Stratford	1
Kemp, J. Harrison	Rochester, N.Y.	1
Kerr, Thos. R.	Gainsborough	1
Kidd, G. E.	Prospect	4
Kinsella, M. D. B.	North Bay	2
Laframboise, J. M.	Vankleek Hill	2
Lawler, V. T.	Kingston	2
Lawrence, S. B.	Spencerville	2
Leacock, F. L.	Saskatoon, Sask.	1
Lipman, A.	Yorkton, Sask.	3
Lockett, W. F.	Kingston	2
Longley, I. F.	Lumsden, Sask.	4
MacDougall, N. E.	Cana, Sask.	3
MacKay, M. A.	Lemberg, Sask.	3
MacKay, W. M.	Cornwall	1
MacKinnon, Hugh	Mundare, Alta.	1
MacKnight, T. W. F.	Ingle	2
McAskile, J. E.	Seven Persons, Alta.	1

Name.	Address.	Year.
McCammon, J. G., B.A.	Gananoque	3
McCardle, E. L.	Dundas	2
McCarley, R. V.	Strathcona, Alta.	3
McCausland, A.	St. Thomas	2
McCutcheon, C. E.	Saskatoon, Sask.	4
McDermott, J. J.	Kingston	3
McDonald, M. H.	Sunbury	3
McDougall, L. M.	Brockville	1
McGlennon, A. C.	Colborne	3
McIntosh, Aden	Williamsburg	2
McIver, J. F.	Scotch Weedon, Que.	1
McKechnie, M. A.	Walkerton	1
McKenzie, J.	Holstein	3
McLachlan, P. M.	Lochaber Bay, Que.	1
McLaren, W. M.	Osceola	3
McLean, E. C.	Athens	2
McNeill, W. J.	Kingston	1
Mabee, H. C.	Odessa	4
Macbeth, A. W.	Lumsden, Sask.	3
Manning, Wm.	Kemptville	1
Matthews, F. J.	Orangeville	4
Menon, K. N.	Calcutta, India	1
Meyer, G. W.	Vancouver, B.C.	4
Millar, D. J.	North Battleford, Sask.	1
Miller, G. R.	Yorkton, Sask.	2
Mitchell, H. A.	Sandhill	1
Mohan, Herbert	Liverpool, Eng.	3
Moore, J. H.	Victoria, B.C.	2
Moxley, C. R.	Kingston	1
Murphy, L. J.	Ottawa	1
Nacey, L. J.	Oswego, N.Y.	1
Neville, J. D.	Deloraine, Man.	4
Norman, Jas.	Cupids, Nfld.	1
O'Connor, F. X.	Kingston	1
O'Donahue, W. C.	Smith's Falls	1
Oldham, E. M. A.	Chatsworth	2
O'Meara, L. H.	Fallowfield	3
O'Reilly, Jos.	Regina, Sask.	3
Overend, K. V.	Peterboro	3
Patterson, B. C.	Langenberg, Sask.	3
Paul, R. R.	Winnipeg, Man.	3
Peppett, C. W.	Victoria, B.C.	1
Phillips, L. J.	Menomonie, Wisc.	2
Platt, G. A.	Portsmouth	2

Name.	Address.	Year.
Polson, S. M., M.A.	Kingston	4
Polson, J. A.	Kingston	4
Preston, H. F.	Napanee	1
Pringle, G. W.	Madoc	3
Publow, G. A.	Kingston	3
Randall, A. J.	Seeley's Bay	3
Ravary, J. M.	St. Amour	3
Richardson, R. B.	Norwood	3
Roadhouse, L. W.	Kingston	1
Robinson, C. K.	Kingston	2
Robinson, R. W.	Hamilton	1
Russell, C. S.	New Liskeard	2
Salmon, A. H. D.	Lucea, Jamaica	1
Sanford, Noel	Montego Bay, Jamaica	1
Scott, R. R.	Perth	2
Scott, W. J.	Kingston	1
Scott, A. C.	Eden, Man.	3
Shaw, J. G.	Regina, Sask.	4
Shear, M. M.	Kingston	1
Shute, R. Jas.	Regina, Sask.	2
Simes, A. B.	Sweet's Corners	1
Simmons, G. A.	Simmons, Que.	2
Simpson, R. A.	Edmonton, Alta.	3
Singleton, O. H.	Lyndhurst	2
Smith, G. H.	Kingston	2
Smith, M. T.	Calgary, Alta.	1
Solomon, A. L. C.	Kingston, Jamaica	1
Springer, E. G.	Barbadoes, B.W.I.	2
Steele. E. E.	Grenada, B.W.I.	3
Stevens, R. S., B.A.	Delta	2
Stewart, J. A.	Brockville	2
Stone, E. L.	Regina, Sask.	1
Suddard, R. W.	Newark, Del.	2
Sylvester, F. V.	Boston, Mass.	2
Thompson, S. E.	Morristown, N.Y.	4
Thwaites, G. E.	Trinidad, B.W.I.	5
Tower, J. L.	Hosmer, B.C.	1
Urie, G. N.	Deloraine, Man.	2
Vernon, V. F.	Newmarket	1
Wallace, H. C.	Lumsden, Sask.	3
Walkey, L. W.	Regina, Sask.	2
Warner, A. M.	De Cewsville	2
Weaver, W. A.	Lynden	1
Whaley, T. R.	Soperton	4

Name.	Address.	Year.
Whitelock, C. K.	Davidson, Sask.	1
Wickware, A. B.	Morrisburg	4
Widdis, J. B.	Fairlight, Sask.	2
Williams, L. E.	St. Thomas	1
Williams, C. F.	Oxbow, Sask.	2
Williams, G. A.	Toronto	1
Wilkins, W. E.	Verona	3
Young, H. M.	Renfrew	2
Young, J. G.	Cypress River, Man.	3